

Horticulture

Michigan maintained its third place national ranking in value of wholesale sales of floriculture products in 2008. Only California and Florida reported larger sales. Reports from Michigan's 720 commercial growers (\$10K or more in gross sales) showed an estimated wholesale value of \$393.5 million for all surveyed floriculture crops, down 3 percent from last year's revised figure. This estimate includes summarized sales data as reported by growers with \$100K or more in sales plus a calculated wholesale value of sales for operations with sales from \$10K to \$99,999.

The leading crop category breakdowns for Michigan operations with more than \$100K in sales were:

- First, annual bedding/garden plants with \$187 million in sales.
- Second, propagative materials with \$77 million in sales.
- Third, herbaceous perennial plants with \$69 million in sales.
- Fourth, potted flowering plants with \$33 million in sales.

Michigan leads the nation in value of sales for 11 floriculture crops:

- Impatiens (flats) with 1.9 million flats sold, valued at \$13.9 million.
- Begonia Hanging Baskets with 365,000 baskets sold, valued at \$2.2 million.
- Geranium Hanging Baskets (cuttings) with 613,000 baskets sold, valued at \$4.3 million.
- Impatiens Hanging Baskets with 568,000 sold, valued at \$3.0 million.
- New Guinea Impatiens Hanging Baskets with 469,000 baskets sold, valued at \$3.3 million.
- Petunias Hanging Baskets with 850,000 baskets sold, valued at \$5.0 million.

- Potted Geraniums (seed) with 18.2 million pots sold, valued at \$14.6 million.
- Potted New Guinea Impatiens with 4.3 million pots sold, valued at \$6.8 million.
- Potted Petunias with 2.5 million pots sold, valued at \$5.2 million.
- Potted Vegetable Plants with 8.5 million pots sold, valued at \$9.3 million.
- Potted Hostas with 3.1 million pots sold, valued at \$7.7 million.

Michigan crops that ranked second in value of sales nationally were:

- Begonias (flats) with 827,000 flats sold, valued at \$6.2 million.
- Marigolds (flats) with 705,000 flats sold, valued at \$5.2 million.
- Petunias (flats) with 1.5 million flats sold, valued at \$11.0 million.
- Pansy/Viola Hanging Baskets with 84,000 baskets sold, valued at \$500,000
- Other Flowering and Foliar Hanging Baskets with 2.1 million baskets sold, valued at \$14.5 million.
- Potted Geraniums (cuttings) with 4.0 million pots sold, valued at \$10.5 million.
- Potted Hardy/Garden Chrysanthemums with 5.6 million pots sold, valued at \$13.3 million.
- Potted Other Herbaceous Perennials with 21.1 million pots sold, valued at \$48.3 million.
- Potted Easter Lilies with 1.1 million pots sold, valued at \$4.3 million.
- Potted Spring Flowering Bulbs with 7.7 million pots sold, valued at \$12.1 million.

Floriculture crops: Number of growers by gross value of sales, 2004-2008

Year	\$10,000-\$19,999	\$20,000-\$39,000	\$40,000-\$49,000	\$50,000-\$99,999	\$100,000-\$499,999	\$500,000 or more	Total growers
	Number	Number	Number	Number	Number	Number	Number
2004	49	89	46	182	216	139	721
2005	46	94	41	173	203	140	697
2006	60	83	42	154	193	139	671
2007	61	114	49	176	193	138	731
2008	84	111	46	160	181	138	720

Floriculture crops: Growing area by type of cover, 2004-2008

Year	Glass greenhouses	Fiberglass and other rigid greenhouses	Plastic film greenhouses	Total greenhouse cover	Shade and temporary cover	Total covered area	Open ground
	1,000 square feet	1,000 square feet	1,000 square feet	1,000 square feet	1,000 square feet	1,000 square feet	Acres
2004	4,549	4,616	38,692	47,857	1,353	49,210	4,687
2005	4,327	4,614	36,937	45,878	1,183	47,061	4,958
2006	4,149	5,684	37,364	47,197	1,170	48,367	3,484
2007	3,751	4,495	38,746	46,992	1,091	48,083	4,058
2008	3,922	4,953	38,064	46,939	1,054	47,993	4,004

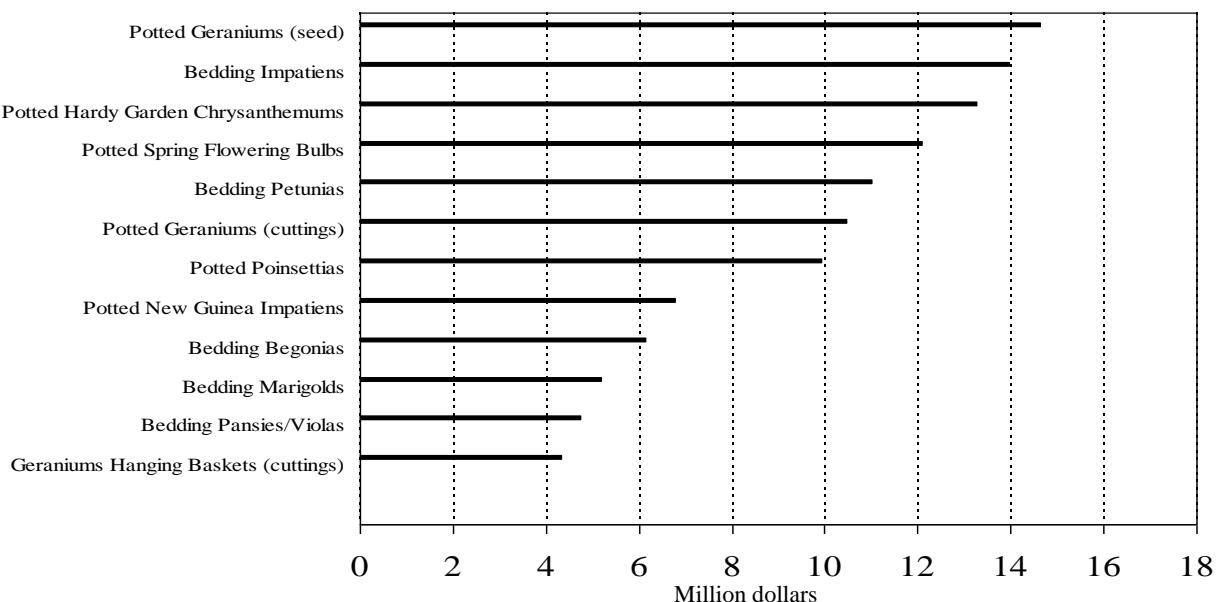
Floriculture crops: Wholesale value of sales by category, 2004-2008

Year	Total cut flowers	Total potted flowering plants	Total foliage for indoor or patio use	Total bedding/garden plants	Total wholesale value of reported crops	Expanded wholesale value of reported crops ¹
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
2004	8,711	32,074	4,152	238,508	365,897	384,655
2005	9,240	33,979	4,453	237,125	367,416	385,402
2006	6,608	33,329	4,504	239,301	364,132	380,500
2007	7,487	35,043	3,605	257,325	387,040	405,760
2008	6,971	32,903	3,085	256,165	376,041	393,531

¹ Wholesale value of sales as reported by growers with \$100,000 or more in sales of floriculture crops plus a calculated wholesale value of sales for growers with sales below \$100,000. The value of sales for growers below the \$100,000 level was estimated by multiplying the number of growers in each size group by the midpoint of each dollar range.

Selected Floriculture Crops, 2008

Value of Sales



Bedding plants: Producers, quantity sold, price, and value, 2004-2008

Item	Producers	Quantity sold	Percent of sales at wholesale	Wholesale price	Value of sales at wholesale
					Number 1,000 flats Percent Dollars 1,000 dollars
Begonias					
2004	232	1,114	81	7.12	7,932
2005	225	1,350	86	7.18	9,693
2006	218	922	86	7.51	6,924
2007	206	821	86	7.43	6,100
2008	205	827	86	7.44	6,153
Geraniums from cuttings					
2004	16	67	33	15.24	1,021
2005	(¹)	(¹)	(¹)	(¹)	(¹)
2006	13	185	72	7.91	1,463
2007	11	67	18	10.29	689
2008	12	60	11	12.96	778
Geraniums from seed					
2004	32	73	74	11.41	833
2005	35	60	83	11.32	679
2006	33	55	87	11.80	649
2007	25	48	82	12.87	618
2008	22	48	78	11.90	571
Impatiens					
2004	235	2,302	86	7.01	16,137
2005	221	2,063	85	7.41	15,287
2006	224	2,128	86	7.17	15,258
2007	220	2,088	88	7.29	15,222
2008	220	1,932	87	7.22	13,949
Marigolds					
2004	234	814	87	7.08	5,763
2005	227	772	84	7.34	5,666
2006	227	753	85	7.31	5,504
2007	216	723	86	7.54	5,451
2008	213	705	86	7.35	5,182
New Guinea Impatiens					
2004	21	65	49	10.01	651
2005	23	78	84	10.67	832
2006	22	71	85	10.23	726
2007	15	43	48	8.34	359
2008	18	34	68	8.36	284
Pansies/Violas					
2004	218	882	91	6.77	5,971
2005	206	804	88	7.03	5,652
2006	203	813	87	6.85	5,569
2007	194	711	90	7.15	5,084
2008	194	629	90	7.53	4,736
Petunias					
2004	256	1,644	86	7.05	11,590
2005	248	1,557	85	7.41	11,537
2006	239	1,592	86	7.48	11,908
2007	228	1,457	87	7.49	10,913
2008	228	1,476	87	7.46	11,011
Other flowering and foliar					
2004	246	3,917	85	7.26	28,437
2005	242	3,673	85	7.67	28,172
2006	232	3,956	88	7.64	30,224
2007	225	3,389	89	7.65	25,926
2008	209	2,927	86	7.28	21,309
Vegetables ²					
2004	186	569	80	7.33	4,171
2005	182	630	74	8.16	5,141
2006	188	644	73	7.98	5,139
2007	173	726	84	7.80	5,663
2008	168	696	82	8.14	5,665

¹ Not published to avoid disclosure of individual operations.

² Does not include vegetable transplants grown for commercial use.

Hanging baskets: Producers, quantity sold, price, and value, 2004-2008

Item	Producers	Quantity sold	Percent of sales at wholesale	Wholesale price	Value of sales at wholesale
	Number	1,000 baskets	Percent	Dollars	1,000 dollars
Begonias					
2004	165	394	86	5.78	2,277
2005	169	435	86	5.63	2,449
2006	166	473	89	5.62	2,658
2007	170	447	88	5.31	2,374
2008	161	365	88	6.00	2,190
Geraniums from cuttings					
2004	212	784	83	6.56	5,143
2005	213	717	81	6.69	4,797
2006	210	734	81	6.73	4,940
2007	208	776	78	6.57	5,098
2008	205	613	79	7.04	4,316
Geraniums from seed					
2004	25	59	95	5.75	339
2005	29	68	97	6.19	421
2006	23	71	98	5.98	425
2007	23	61	97	5.54	338
2008	24	40	89	5.97	239
Impatiens					
2004	198	472	82	5.23	2,469
2005	200	551	86	5.09	2,805
2006	186	655	89	5.28	3,458
2007	188	721	91	4.81	3,468
2008	187	568	90	5.28	2,999
Marigolds					
2004	(¹)	(¹)	(¹)	(¹)	(¹)
2005	3	2	100	4.98	10
2006	6	12	100	3.31	40
2007	(¹)	(¹)	(¹)	(¹)	(¹)
2008	11	24	100	3.69	89
New Guinea Impatiens					
2004	221	813	90	6.37	5,179
2005	218	804	90	6.22	5,001
2006	215	713	90	6.52	4,649
2007	209	674	91	6.28	4,233
2008	205	469	87	7.00	3,283
Pansies/Violas					
2004	30	46	86	5.24	241
2005	35	85	95	4.80	408
2006	38	108	91	4.57	494
2007	43	145	96	5.14	745
2008	45	84	94	5.92	497
Petunias					
2004	197	517	86	5.25	2,714
2005	193	545	83	5.49	2,992
2006	190	784	90	5.90	4,626
2007	200	808	89	5.40	4,363
2008	206	850	88	5.83	4,956
Other flowering					
2004	208	1,968	83	6.10	12,005
2005	204	2,098	84	6.05	12,693
2006	197	2,201	88	6.31	13,888
2007	202	2,370	87	6.93	16,424
2008	192	2,068	87	6.99	14,455
Foliage					
2004	65	430	93	4.42	1,901
2005	62	273	91	4.81	1,313
2006	68	333	89	4.51	1,502
2007	63	214	86	5.52	1,181
2008	59	179	85	5.73	1,026

¹ Not published to avoid disclosure of individual operations.

Potted flowering and annual bedding plants: Producers, quantity sold, price, and value, 2004-2008

Item	Producers	Quantity sold			Percent of sales at wholesale	Wholesale price		Value of sales at wholesale
		Less than 5 inch pots	5 inch pots or larger	Total		Less than 5 inch pots	5 inch pots or larger	
	Number	1,000 pots	1,000 pots	1,000 pots	Percent	Dollars	Dollars	1,000 dollars
Azaleas								
2004	24	(¹)	93	93	87	(¹)	7.82	727
2005	20	(¹)	68	68	87	(¹)	7.60	517
2006	22	(¹)	77	77	89	(¹)	7.27	560
2007	17	(¹)	58	58	84	(¹)	7.24	420
2008	17	(¹)	47	47	80	(¹)	7.40	348
Begonias								
2004	96	637	213	850	88	1.05	2.48	1,197
2005	92	545	119	664	89	1.11	3.40	1,010
2006	94	526	72	598	85	1.10	3.34	819
2007	87	1,047	209	1,256	92	0.71	2.63	1,293
2008	99	619	153	772	91	1.28	3.02	1,254
Chrysanthemums, florist								
2004	32	35	204	239	75	1.64	3.99	871
2005	24	28	262	290	89	1.71	5.99	1,617
2006	27	38	173	211	85	1.54	3.55	673
2007	22	(¹)	173	173	82	(¹)	3.11	538
2008	20	20	91	111	86	1.72	4.19	416
Chrysanthemums, hardy garden								
2004	134	929	4,746	5,675	95	1.50	2.02	10,980
2005	144	558	5,114	5,672	95	1.00	2.09	11,246
2006	134	620	4,869	5,489	94	1.02	2.23	11,490
2007	131	772	4,154	4,926	94	1.19	2.99	13,339
2008	131	1,020	4,612	5,632	94	1.33	2.58	13,256
Easter Lilies								
2004	38	91	1,290	1,381	97	1.72	3.66	4,878
2005	39	(¹)	1,267	1,267	98	(¹)	3.62	4,580
2006	43	(¹)	1,168	1,168	97	(¹)	3.88	4,530
2007	33	(¹)	1,131	1,131	98	(¹)	3.88	4,393
2008	33	(¹)	1,116	1,116	98	(¹)	3.86	4,308
Geraniums from cuttings								
2004	231	3,739	1,448	5,187	70	1.74	3.60	11,719
2005	212	3,644	1,263	4,907	69	1.79	4.10	11,701
2006	219	3,191	1,218	4,409	65	1.84	4.33	11,145
2007	215	2,861	1,352	4,213	69	1.91	4.13	11,048
2008	205	2,654	1,348	4,002	66	1.87	4.09	10,476
Geraniums from seed								
2004	109	16,726	(¹)	16,726	98	0.81	(¹)	13,565
2005	100	15,792	79	15,871	98	0.78	4.89	12,704
2006	97	19,514	9	19,523	99	0.78	9.63	15,308
2007	94	18,328	11	18,339	99	0.79	4.46	14,528
2008	93	18,150	20	18,170	99	0.80	5.97	14,639
Impatiens								
2004	63	732	353	1,085	94	0.91	2.03	1,383
2005	69	554	111	665	95	0.84	3.10	809
2006	54	584	89	673	95	0.75	4.31	822
2007	60	698	237	935	91	0.72	1.81	932
2008	61	523	173	696	92	1.34	2.76	1,178
Marigolds								
2004	28	113	171	284	98	0.85	1.84	411
2005	24	113	82	195	97	0.76	1.63	220
2006	17	(¹)	223	223	98	(¹)	1.77	394
2007	22	207	230	437	97	0.43	2.40	641
2008	20	141	73	214	99	0.88	2.52	308
New Guinea Impatiens								
2004	199	3,642	343	3,985	94	1.27	3.64	5,874
2005	182	4,255	532	4,787	95	1.25	2.94	6,883
2006	178	4,104	267	4,371	94	1.23	4.55	6,263
2007	172	3,954	402	4,356	95	1.33	3.35	6,606
2008	170	3,870	422	4,292	94	1.39	3.34	6,789

See footnote(s) at end of table.

--continued

Potted flowering and annual bedding plants: Producers, quantity sold, price, and value, 2004-2008 (continued)

Item	Producers	Quantity sold			Percent of sales at wholesale	Wholesale price		Value of sales at wholesale
		Less than 5 inch pots	5 inch pots or larger	Total		Less than 5 inch pots	5 inch pots or larger	
	Number	1,000 pots	1,000 pots	1,000 pots	Percent	Dollars	Dollars	1,000 dollars
Pansies/Violas								
2004	50	873	235	1,108	98	0.46	2.17	912
2005	59	901	313	1,214	98	0.44	2.82	1,279
2006	49	1,712	(¹)	1,712	98	1.14	(¹)	1,952
2007	50	1,239	744	1,983	99	0.46	2.20	2,207
2008	48	1,099	389	1,488	99	0.82	2.74	1,967
Petunias								
2004	98	1,113	1,240	2,353	92	1.25	2.46	4,442
2005	91	1,142	1,325	2,467	93	0.89	2.70	4,594
2006	90	1,208	991	2,199	90	1.30	2.89	4,434
2007	96	1,441	1,075	2,516	92	0.95	2.87	4,454
2008	104	1,629	860	2,489	94	1.41	3.40	5,221
Poinsettias								
2004	86	841	2,696	3,537	93	1.83	4.18	12,808
2005	86	656	2,485	3,141	91	1.89	4.15	11,553
2006	79	530	2,284	2,814	91	1.99	4.54	11,424
2007	72	461	2,221	2,682	92	2.07	5.04	12,148
2008	67	396	1,983	2,379	93	2.13	4.58	9,926
Roses, florist								
2004	6	79	(¹)	79	96	3.20	(¹)	253
2005	13	(¹)	54	54	88	(¹)	3.86	209
2006	18	76	(¹)	76	93	3.85	(¹)	293
2007	14	(¹)	35	35	86	(¹)	6.05	212
2008	8	(¹)	30	30	96	(¹)	6.56	197
Flowering bulbs								
2004	41	751	1,531	2,282	98	1.46	3.21	6,011
2005	40	6,921	(¹)	6,921	100	1.25	(¹)	8,679
2006	42	7,472	(¹)	7,472	100	1.29	(¹)	9,669
2007	33	5,909	(¹)	5,909	100	2.08	(¹)	12,308
2008	33	7,733	(¹)	7,733	100	1.56	(¹)	12,094
Other flowering plants								
2004	58	1,500	468	1,968	84	1.80	4.21	4,670
2005	47	1,124	411	1,535	84	1.46	4.18	3,359
2006	50	1,098	498	1,596	71	1.22	4.86	3,760
2007	39	364	294	658	86	2.08	5.70	2,433
2008	43	536	613	1,149	89	1.47	3.72	3,068
Other flowering and foliar type bedding plants								
2004	147	16,780	3,068	19,848	91	1.01	3.21	26,796
2005	137	12,738	3,216	15,954	89	1.17	3.26	25,388
2006	150	14,966	3,365	18,331	89	1.15	3.54	29,123
2007	146	14,351	3,146	17,497	87	1.41	4.08	33,071
2008	136	12,942	3,795	16,737	89	1.53	3.51	33,122
Vegetable type ²								
2004	93	3,129	343	3,472	94	0.54	1.97	2,365
2005	96	5,448	267	5,715	98	0.59	2.66	3,925
2006	92	2,858	403	3,261	94	0.56	3.61	3,055
2007	94	6,575	874	7,449	95	0.69	2.35	6,591
2008	98	7,656	882	8,538	96	0.94	2.41	9,322

¹ Pot sizes have been combined into category with greatest production to avoid disclosure of individual operations.

² Does not include vegetable transplants grown for commercial use.

Herbaceous perennials: Producers, quantity sold, price, and value, 2004-2008

Item	Producers	Quantity sold				Percent of sales at wholesale	Wholesale price			Value of All sales at wholesale
		Less than 1 gallon	1 to 2 gallon	2 gallon and larger	Total		Less than 1 gallon	1 to 2 gallon	2 gallon and larger	
	<i>Number</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>percent</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Hosta										
2004	124	676	711	94	1,481	88	2.01	3.58	5.26	4,399
2005	121	431	605	112	1,148	86	1.53	3.38	6.37	3,418
2006	113	928	567	59	1,554	90	1.77	3.38	7.52	4,003
2007	106	1,911	808	55	2,774	95	1.78	4.13	7.33	7,142
2008	106	2,103	911	48	3,062	95	1.73	4.04	7.48	7,678
Other										
2004	147	9,780	6,824	741	17,345	90	1.40	3.42	6.15	41,587
2005	147	13,964	5,916	306	20,186	92	1.09	3.54	9.11	38,951
2006	140	8,673	6,639	301	15,613	89	0.98	3.21	7.11	31,951
2007	127	8,184	8,007	279	16,470	90	1.48	3.54	6.72	42,332
2008	124	13,350	7,343	432	21,125	92	1.36	3.71	6.70	48,293